



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,195	03/24/2005	Mika Aalto	042933/366103	4419

826 7590 12/18/2008  
ALSTON & BIRD LLP  
BANK OF AMERICA PLAZA  
101 SOUTH TRYON STREET, SUITE 4000  
CHARLOTTE, NC 28280-4000

EXAMINER
----------

MUSA, ABDELNABI O

ART UNIT	PAPER NUMBER
----------	--------------

2446

MAIL DATE	DELIVERY MODE
-----------	---------------

12/18/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b> (For use in the First Action Interview Pilot Program)	<b>Application No.</b> 10/529,195	<b>Applicant(s)</b> AALTO ET AL.	
	<b>Examiner</b> ABDELNABI O. MUSA	<b>Art Unit</b> 2446	Page 1 of 2

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **ONE MONTH OR THIRTY (30) DAYS**, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only **ONE additional MONTH**. This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

☐ Applicant's request to not have a first-action interview is acknowledged.

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 July 2008 and interview conducted on 4 December 2008.  
 2) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 3) ☒ Claim(s) 1-3, 13, 17-19, 21, 26, 28, 33-36, and 44-47 is/are pending in the application.  
 3a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 4) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
 5) ☒ Claim(s) 1-3, 13, 17-19, 21, 26, 28, 33-36, and 44-47 is/are rejected.  
 6) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
 7) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 8) ☐ The specification is objected to by the Examiner.  
 9) ☒ The drawing(s) filed on 24 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 10) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 11) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) ☐ All b) ☐ Some \* c) ☐ None of:  
 1. ☐ Certified copies of the priority documents have been received.  
 2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

#### Contact Information

Examiner's Telephone Number: (571)270-1901  
 Examiner's Typical Work Schedule: Monday Thru Friday: 7:30am to 5:00pm (EST)  
 Supervisor's Name: Jeffrey Pwu  
 Supervisor's Telephone Number: 571-2726798

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 4) ☐ Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) ☐ Notice of Informal Patent Application  
 6) ☐ Other: \_\_\_\_\_.

<b>Office Action Summary</b>	<b>Application No.</b> 10529195	<b>Applicant(s)</b> AALTO ET AL.	
	<b>Examiner</b> ABDELNABI O. MUSA	<b>Art Unit</b> 2446	<b>Page 2 of 2</b>

**Notification of Rejection(s) and/or Objection(s)**

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
	1-3, 13, 17-19, 21, 26, 28, 33	Tweedly, Milton	103 (a)	The references teach the claimed method for routing data over a packet-based infrastructure in a compressed header format identified by a context identifier for its data stream (Tweedly-Col.3, Line 58-Col.4, line 45; FIG.1-3)

**Expanded Discussion/Commentary**

1	each datagram in the tunnel packet can be sent in a compressed header format identified by a context identifier (CID) for its data stream.(Tweedly-Col.8, Line 15; Col.9-Line 55 FIG.7-9)
1	Using a compression/decompression, the data packet can be compressed on a pre packet basis whereas the first/second header is compressed on a link basis (Tweedly-Col.8, Line 15; Col.9-Line 55 FIG.7-9)
1	and a corresponding CRTP de-compressor at node 52 restores the RTP/UDP/IP header using the session context, each link would have to maintain a CRTP Compression and de-compressor (Tweedly-Col.8, Line 15; Col.9-Line 55 FIG.7-9)
1	Except for forwarding/routing data packet at an input/output. However, the claims will be given a broad reasonable interpretation for the purposes of examination as best understood whereas Milton teaches teaches routing and forwarding input/out data packets (Milton-Col.3, Line 35 FIG.1)
1	data-grams from multiple data streams are packaged in a single tunnel packet for transport across a network to an intermediate switching point "router device" (Tweedly-Col.3, Line 58-Col.4, line 45; FIG.1-3)
1	a point to point protocol packet header compressor 600 (and/or decompressor) having an input/output that receives point to point packets (Milton-Col.3, Line 60; FIG.3)

**DATE:**  
12/12/2008

/Abdelnabi O Musa/  
Examiner, Art Unit 2446

  
**JEFFREY**  
 SUPERVISORY PATENT EXAMINER